

**AMENDMENTS TO THE CLAIMS**

Please cancel claims 1-11, 15, 18, and 19; amend claims 12, 14, 16 and 17; and add claim 20 as indicated among the following complete set of pending claims.

Claims 1 to 11. (Canceled)

Claim 12. (Currently amended) The method according to claim 20 ~~44~~, wherein the step of forming said porous ceramic substrate comprises the steps of immersing a porous polymer template into the ceramic slurry and drying it; and thermal-treating the porous polymer template infiltrated with the ceramic slurry to burn out the porous polymer template and to obtain the sintered ceramic body.

Claim 13. (Original) The method according to claim 12, wherein the step of forming said porous ceramic substrate further comprises repeating the step of immersing and drying to adjust the porosity of said porous ceramic substrate.

Claim 14. (Original) The method according to claim 20 ~~44~~, wherein the step of coating FA inner layer comprises the steps of immersing the formed porous ceramic substrate into the FA slurry and drying it; and thermal-treating the formed FA inner layer.

Claim 15. (Canceled)

Claim 16. (Currently amended) The method according to claim 20 ~~44~~, wherein said HA outer layer is made of a mixture of HA and other bioactive materials of calcium phosphates.

Claim 17. (Currently amended The method according to claim 20 ~~11~~, wherein it further comprises the step of coating one of other bioactive materials of calcium phosphates or their mixture on said HA outer layer.

Claims 18 to 19. (Canceled)

Claim 20. (New) A method for manufacturing a porous bioceramics for bone scaffold comprising the steps of:

forming a biocompatible porous ceramic substrate having the property to thermal-decompose hydroxyapatite in contact with it, wherein the average size of pores in said porous ceramic substrate is 100 micron or more, and the pores are connected with each other;

coating a fluorapatite (FA) inner layer on said porous ceramic substrate; and

coating a hydroxyapatite (HA) outer layer on said fluorapatite inner layer, wherein the step of coating the HA outer layer comprises the steps of immersing the formed porous ceramic substrate coated with the FA inner layer into HA slurry and drying it; and thermal-treating the formed HA outer layer, and wherein the step of thermal- treating comprises sintering at a temperature in the range of from about 1200°C to about 1250°C.